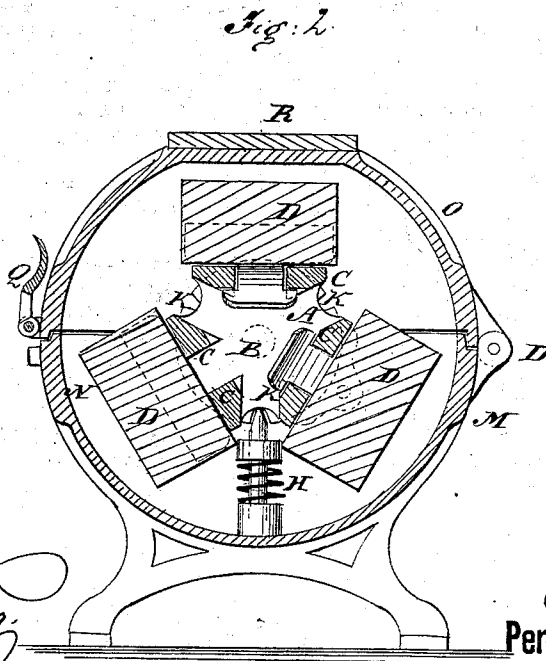
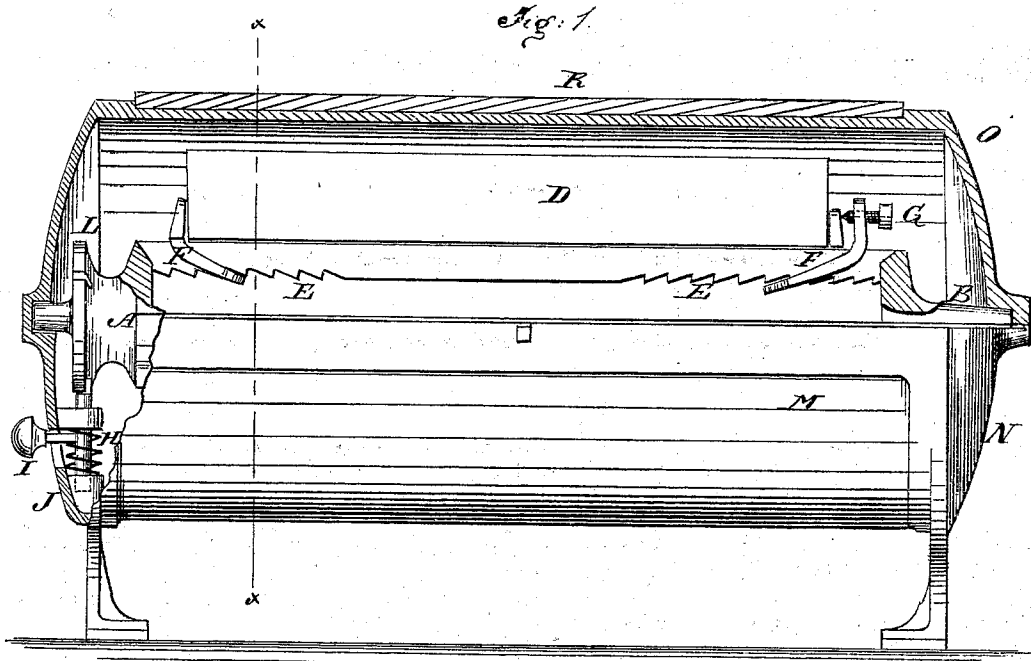


E. C. W. HULL.
Oil-Stone Holders.

No. 147,842.

Patented Feb. 24, 1874.



Witnesses:

Chas. Nida
Charles W. Hull

Inventor:

E. C. W. Hull

Per

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UNITED STATES PATENT OFFICE.

EZRA C. W. HULL, OF HOOSICK FALLS, NEW YORK.

IMPROVEMENT IN OIL-STONE HOLDERS.

Specification forming part of Letters Patent No. 147,842, dated February 24, 1874; application filed June 21, 1873.

To all whom it may concern:

Be it known that I, EZRA C. W. HULL, of Hoosick Falls, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in Rotary Oil-Stone Holders, of which the following is a specification:

The object of this invention is to furnish a convenient apparatus for holding and protecting oil-stones; and it consists in a rotating holder, and a casing and stop-bolt in combination therewith, constructed as hereinafter described.

In the drawing, Figure 1 is a sectional side view of the entire apparatus. Fig. 2 is a cross-section of Fig. 1, taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is a cylindrical holder, of irregular form, which is rotated on a central shaft, B, the ends of which are journals, as seen in the drawing. This cylinder has three (more or less) faces, C, upon which the oil-stones rest. D represents the oil-stones. The under sides of the faces C are provided with ratchet-teeth E, and the stones are secured on the faces by means of clamps F, at one or both ends, and screws G. The clamps are made adjustable by means of the ratchet-teeth, so that stones of different lengths may be held by them. Either one or both clamps have a screw, G, for tightening the stone when the clamp is properly adjusted. The cylinder is held in position by means of

the spring-bolt H, operated by the knob I, which passes through the head J of the casing. The end of this stop-bolt engages with the slats K of the flange L of the holder, and holds the latter, as seen in Fig. 2. The cylinder may be supported by means of a stand at each end; but I prefer to incase it, with the stones, in a tight case, M, made of cast or sheet metal, or of any suitable material, in two parts, N being the supporting part, and O the cover, which is hinged to N, as seen at D, and fastened on the opposite side by the hasp Q. When the stones are not in use, this case excludes the dust and protects the stones from injury. R is a strap on top of the cover, for giving edge to the tool after being sharpened on the stone.

It will be seen that, by making the cylinder to hold two or more stones, the stones may be of different degrees of fineness, which is a great convenience in sharpening tools.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

An oil-stone holder made to revolve on pivots or journals, and having three (more or less) faces, C, with adjustable clamps and screws for securing the oil-stones, substantially as shown and described.

EZRA C. W. HULL.

Witnesses:

JAMES WADDELL,
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